

SECTION 06 10 00
ROUGH CARPENTRY

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Wood Nailers, Backing and Blocking.
- B. Anchors and Fasteners.

1.02 RELATED SECTIONS

- A. Concrete formwork and falsework are specified in the applicable Sections under Division 3, Concrete.
- B. Blocking and backing associated with cabinets and cabinetwork are specified in Section 06 41 00, Architectural Wood Casework.

1.03 MEASUREMENT AND PAYMENT

- A. Measurement: Rough carpentry and related rough hardware therefore will not be measured separately for payment.
- B. Payment: Rough carpentry and related rough hardware will be paid for as part of the Contract unit price or Contract lump-sum price for the associated work requiring rough carpentry work as indicated in the Bid Schedule of the Bid Form.

1.04 REFERENCES

- A. American Plywood Association (APA):
 - 1. U.S. Product Standard PS 1 for Construction and Industrial Plywood
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM E84 Test Method for Surface Burning Characteristics of Building Materials
- C. American Wood Preservers Association (AWPA):
 - 1. AWPA C2 Lumber, Timbers, Bridge Ties and Mine Ties, Pressure Treatment
 - 2. AWPA C20 Structural Lumber, Fire-Retardant Pressure Treatment
 - 3. AWPA C27 Plywood, Fire-Retardant Pressure Treatment

- D. Federal Specifications (FS):
 - 1. TT-W-550 Wood Preservative, Chromated Copper Arsenate Mixture
 - 2. TT-W-571 Wood Preservation: Treating Practices
- E. West Coast Lumber Inspection Bureau (WCLB):
 - 1. WCLB No. 17 Standard Grading Rules

1.05 SUBMITTALS

- A. General: Refer to Section 01 33 00, Submittal Procedures, for submittal requirements and procedures.
- B. Certification: Provide AWPAs grade-stamped pressure-treated wood and plywood as specified herein, or submit certification by the fire-retardant pressure-treating plant that pressure-treated wood and plywood comply with the specified reference standards.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Keep wood products under cover and dry. Protect against exposure to moisture and contact with damp or wet surfaces. Stack material in a manner that promotes air circulation.

PART 2 – PRODUCTS

2.01 WOOD NAILERS, BACKING, AND BLOCKING

- A. Wood nailers or nailing strips, backing, and blocking shall be "Construction" or "No. 1" grade Douglas fir as defined in WCLB No. 17, of size and dimensions indicated or required. Moisture content shall not exceed 19 percent at time of installation.
 - 1. Fire Retardant Treatment: Wood nailers, backing, and blocking shall be pressure-impregnated with an AWPAs C20 fire-retardant chemical suitable for the purpose. Each treated member shall be stamped with the AWPAs approved trademark and, in addition, the Classification Marking of the Underwriters Laboratories, Inc. for Fire Hazard Classification shall be affixed to the back of each member. Wood nailers and blocking members shall be pre-cut to size and shape before being treated to preclude the need for field cutting and thus exposing untreated surfaces at cut ends. Any members that must still be cut in the field shall be dipped, after cutting, in the same fire-retardant chemical that was used in the pressure treating process.
 - 2. Preservative Treatment: Where wood members are indicated or required to be treated with preservative material, provide pressure-treated "Construction" or "No. 1" grade Douglas fir, treated in accordance with FS TT-W-550 for

preservative material (CCA) and FS TT-W-571 or AWPAC2 for pressure treating.

- B. Plywood shall be Group 1 Species meeting requirements of U.S. Product Standard PS-1, of sizes and thicknesses indicated or required. Minimum thickness shall be 5/8 inch. Each panel shall carry the APA grade trademark. Plywood shall be Exterior Grade or manufactured with Exterior Glue, with C-C or C-D (plugged) faces.
 - 1. Fire-Retardant Treatment: Plywood shall be fire-retardant treated in accordance with AWPAC27 to have a flame spread rating of less than 25 when tested in accordance with ASTM E84. Comply also with applicable requirements specified above for wood nailers and blocking.

2.02 ANCHORS AND FASTENERS

- A. Wood nailers, backing, and blocking shall be anchored to metal decking with self-drilling, self-tapping, tempered steel screws manufactured for the purpose of securing items to metal decking.
- B. Wood and plywood backing and blocking shall be secured to metal framing for gypsum board walls and partitions with self-drilling, self-tapping tempered steel drywall screws of type and size required for the installation.
- C. Toggle bolts or screws may be employed to secure wood members to metal framing and substrates through drilled holes, providing the winged anchor is not visible in the finished work.
- D. All anchors and fasteners shall be stainless steel, galvanized, or specially treated to prevent corrosion as approved by the Engineer.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Install wood nailers, backing, and blocking where indicated and where required for attachment and anchorage of other work.
- B. Coordinate location of wood members with other work involved. Provide wood nailers to be embedded in concrete for installation in formwork at the proper time.
- C. Attach wood members to substrates as required to support applied loading. Countersink bolt heads and nuts flush with surfaces, unless otherwise indicated.

END OF SECTION 06 10 00